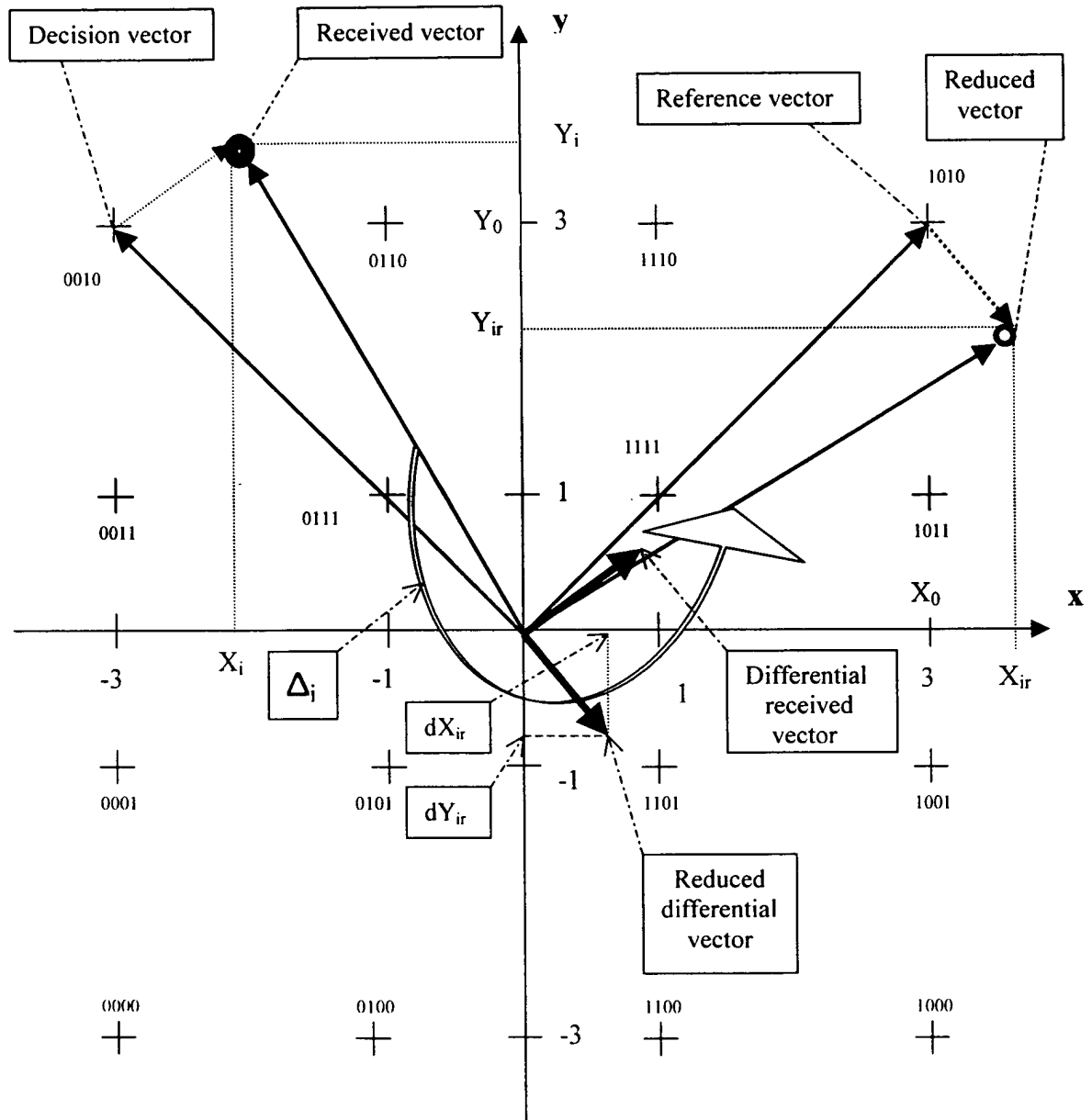


**Fig.1 Example of signals in 2-dimension space**



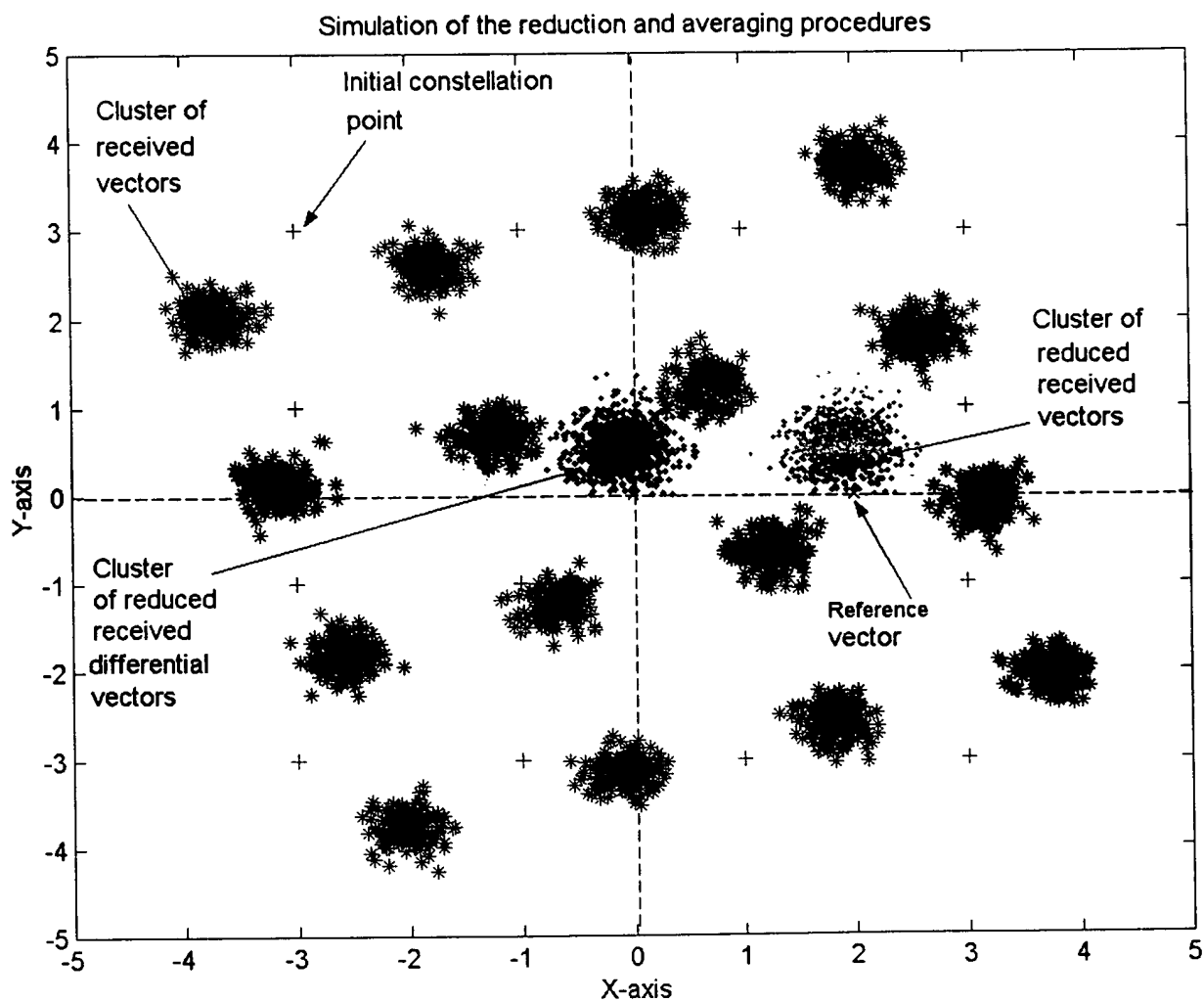


FIG. 2

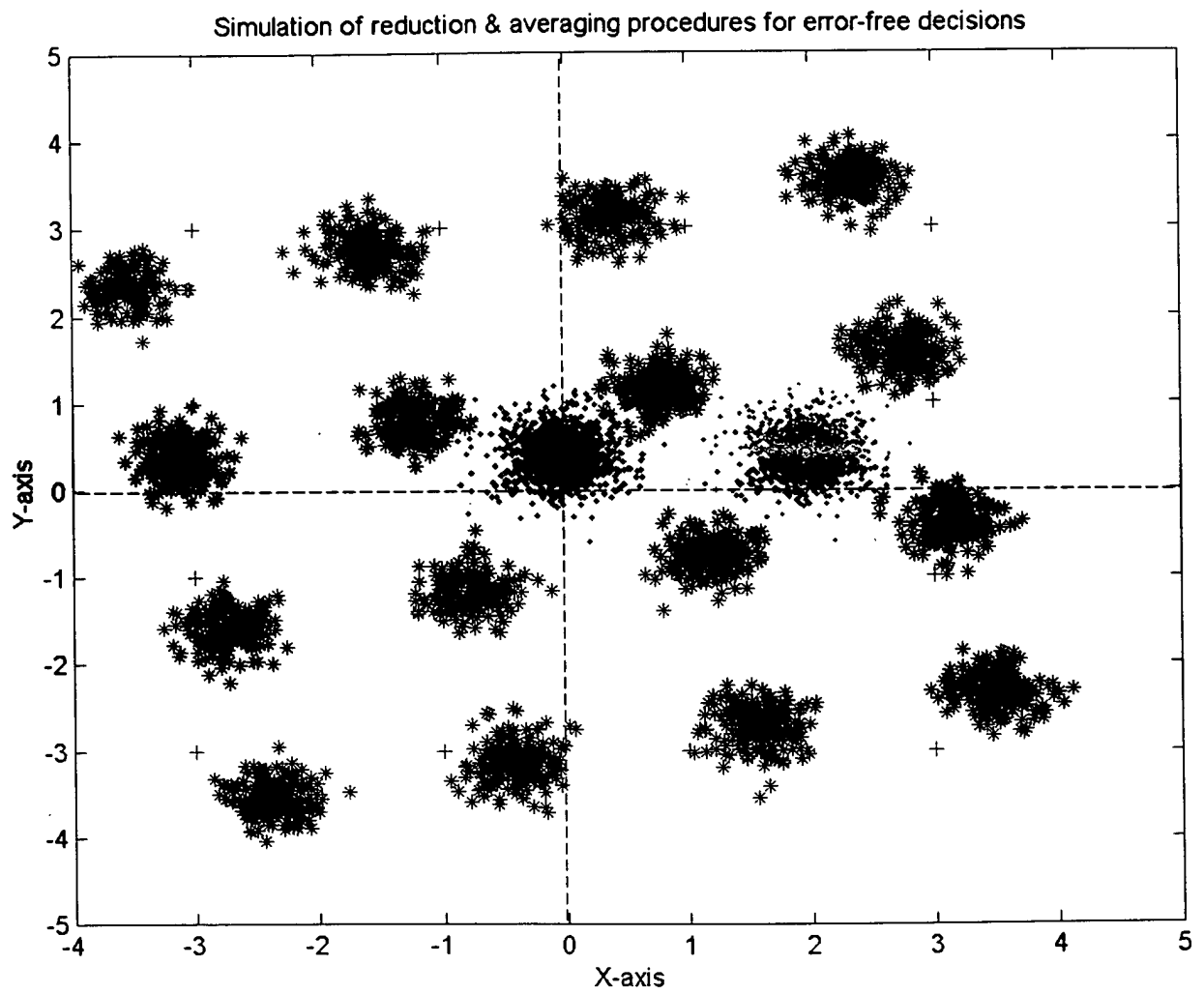


FIG. 3

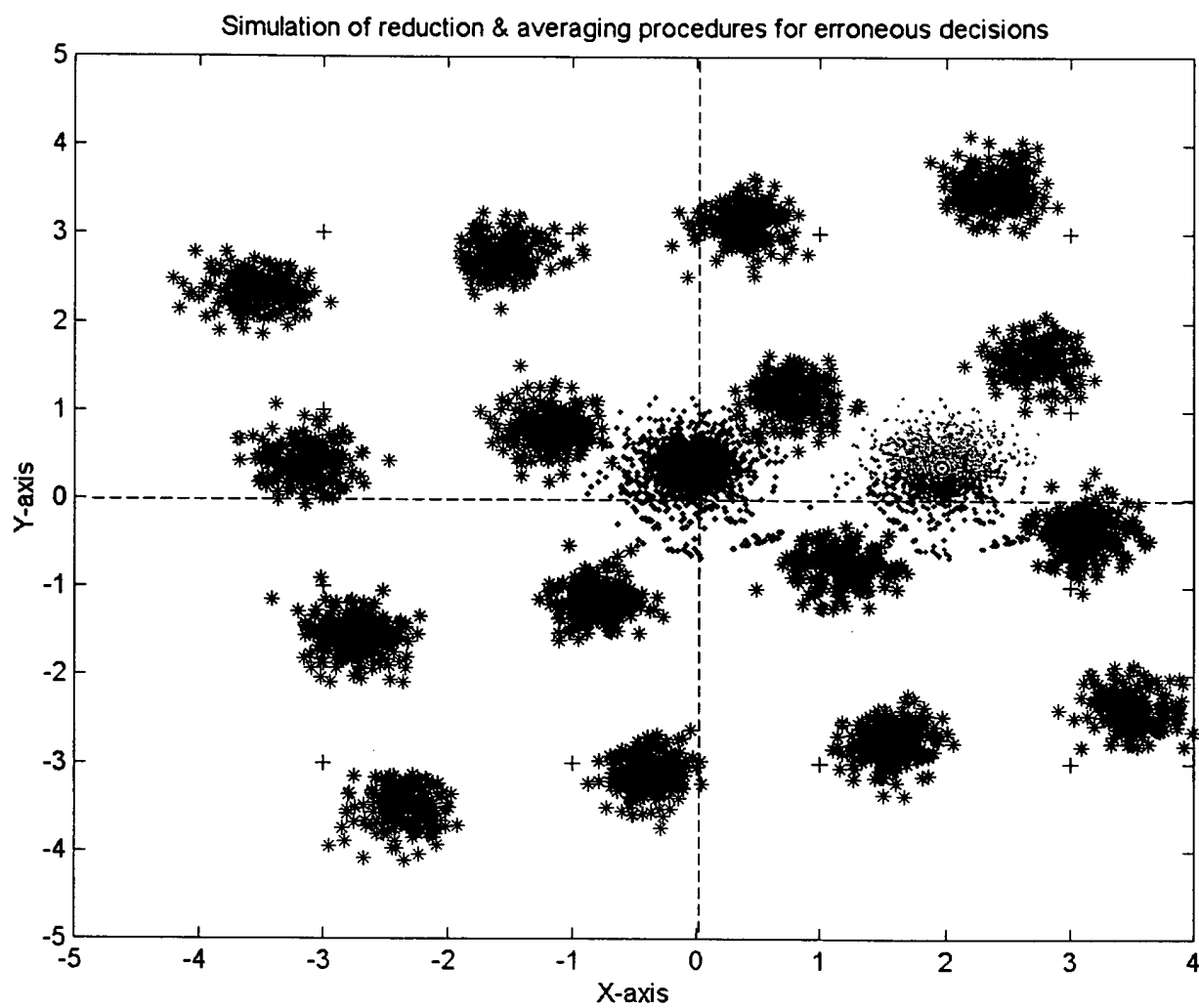
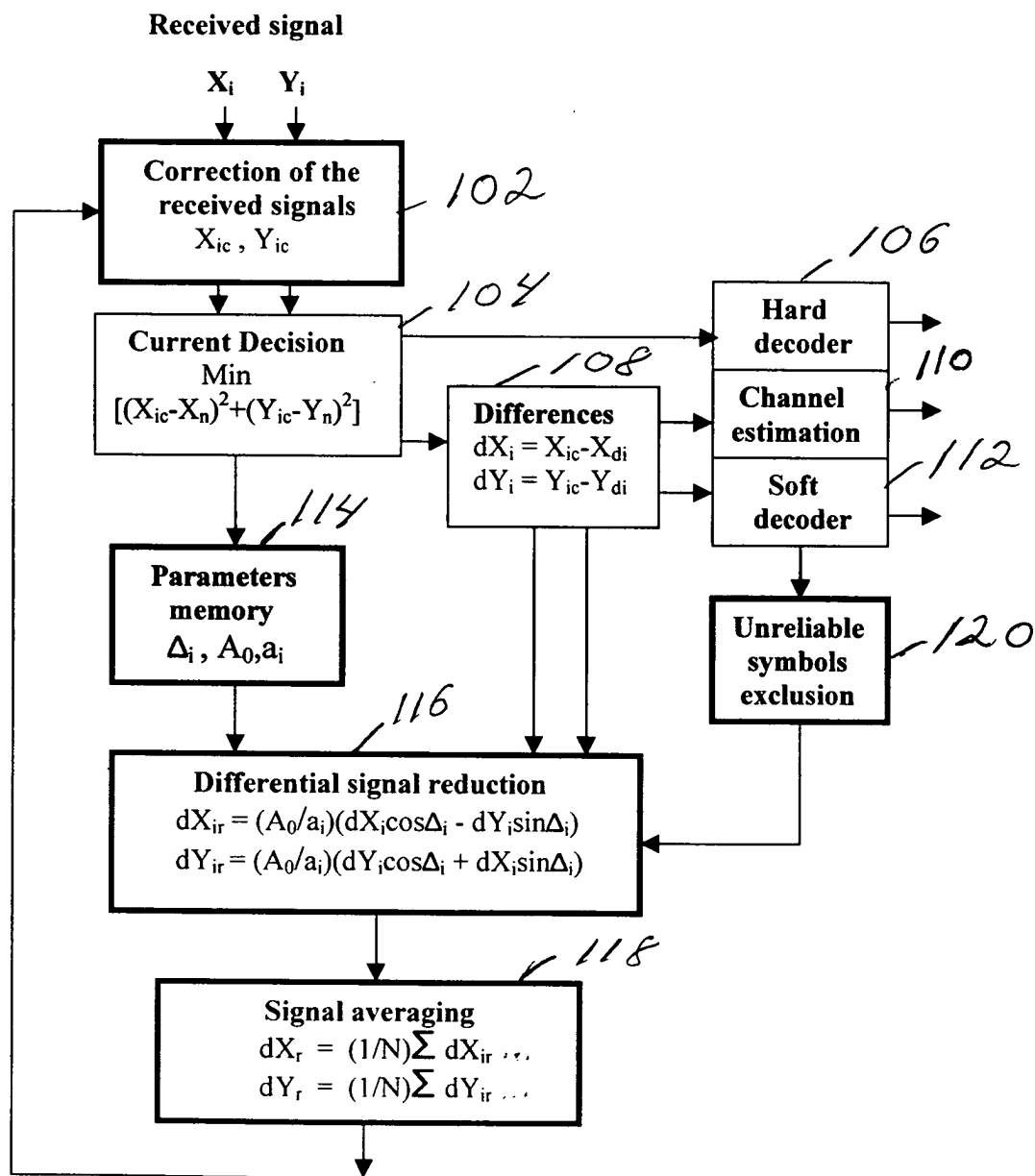
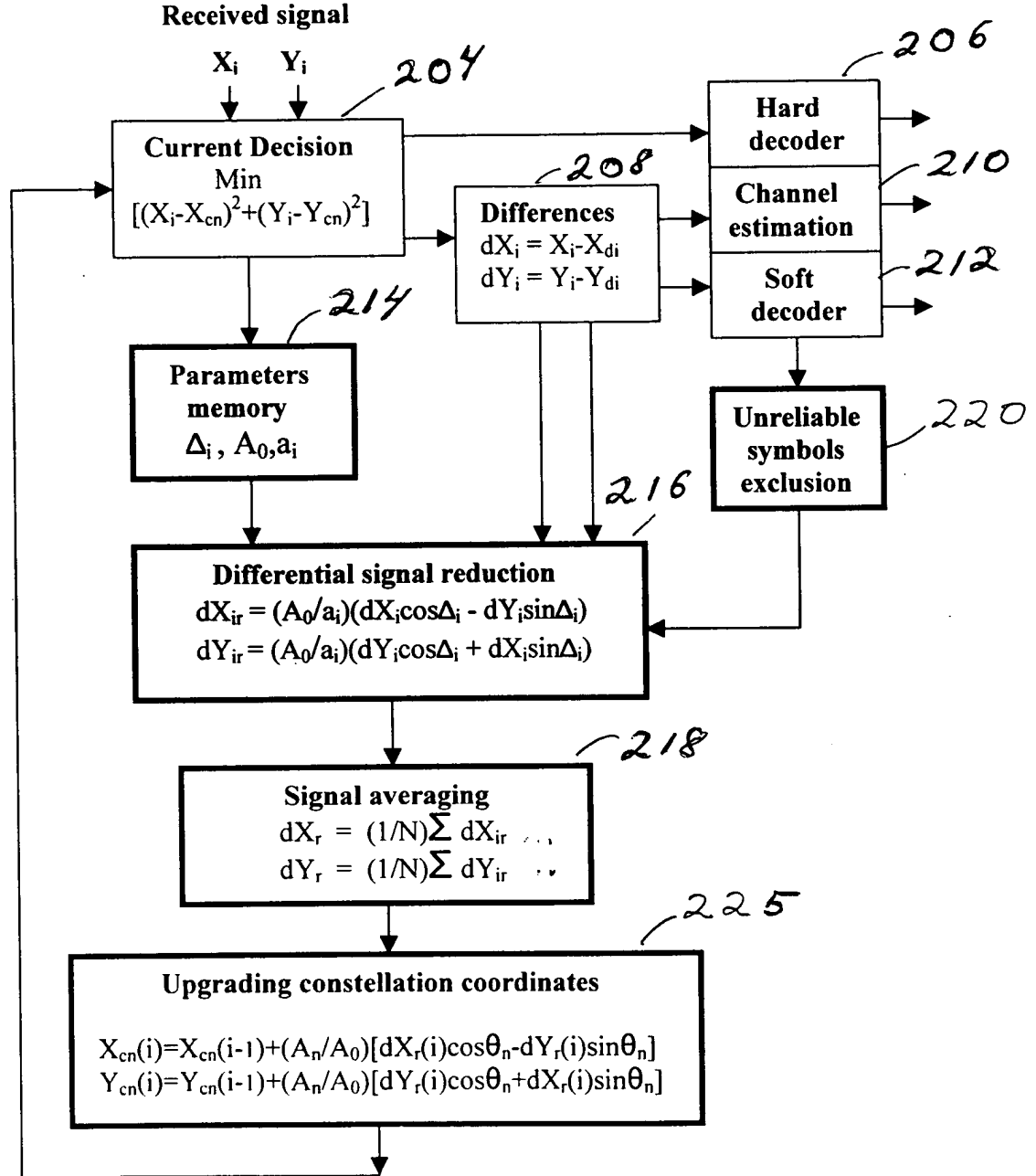


FIG. 4

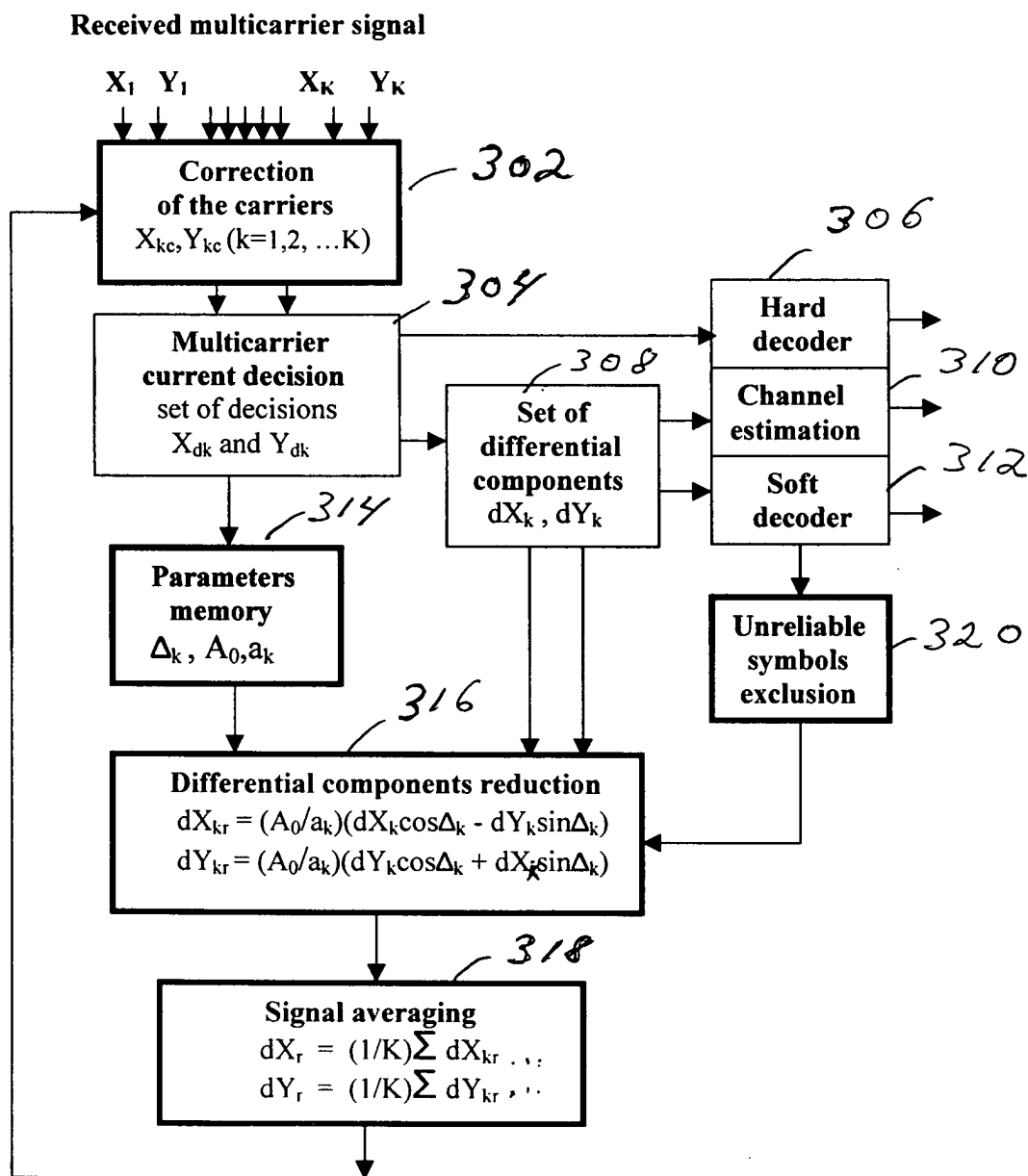
**Fig.5 Correction of the received signal, based on reduction and averaging differential quadrature components of the received signals**



**Fig.6 Correction of the constellation point coordinates, based on reduction and averaging differential quadrature components of the received signals**



**Fig.7 Correction of the received carriers in multicarrier system with correlated phase shifts, based on differential quadrature components of the received carriers**



**Fig.8 Correction of the constellation point coordinates in a multicarrier system with correlated phase shifts, based on differential quadrature components of the received carriers.**

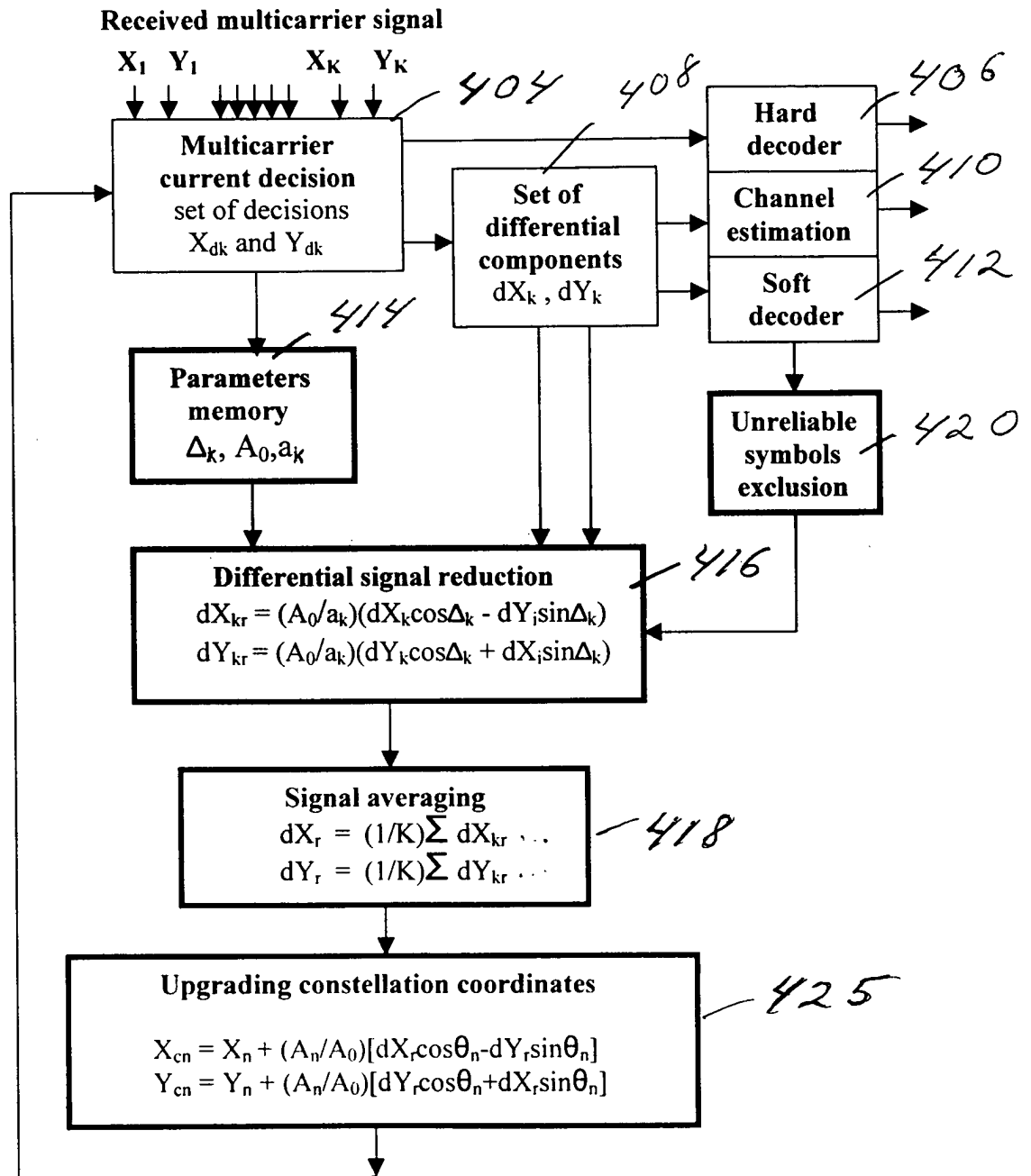
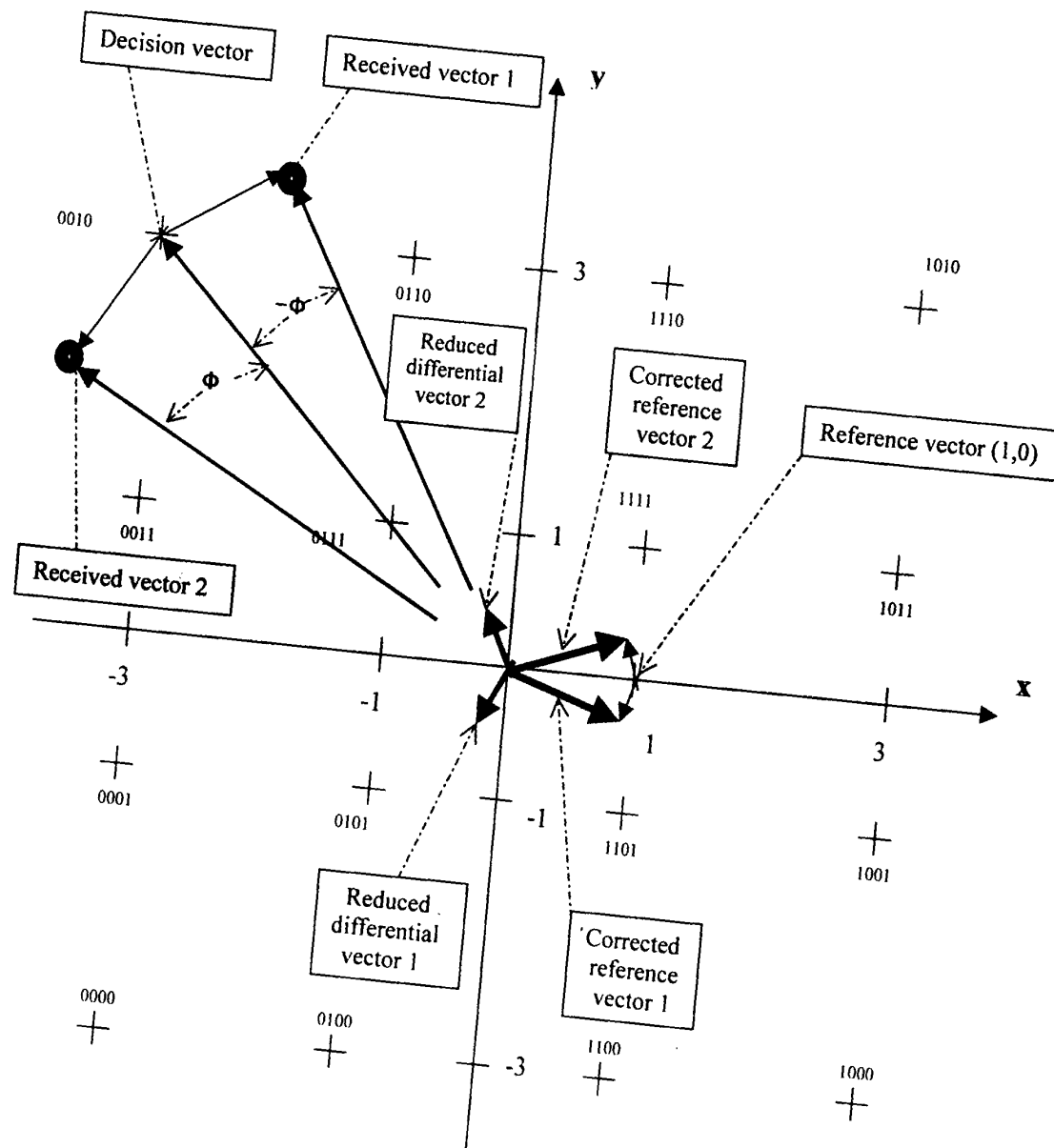




Fig. 9 Illustration to the simplified algorithms of phase correction.



**Fig. 10 Simplified carrier phase correction in multicarrier systems, based on the quadrature differential components.**

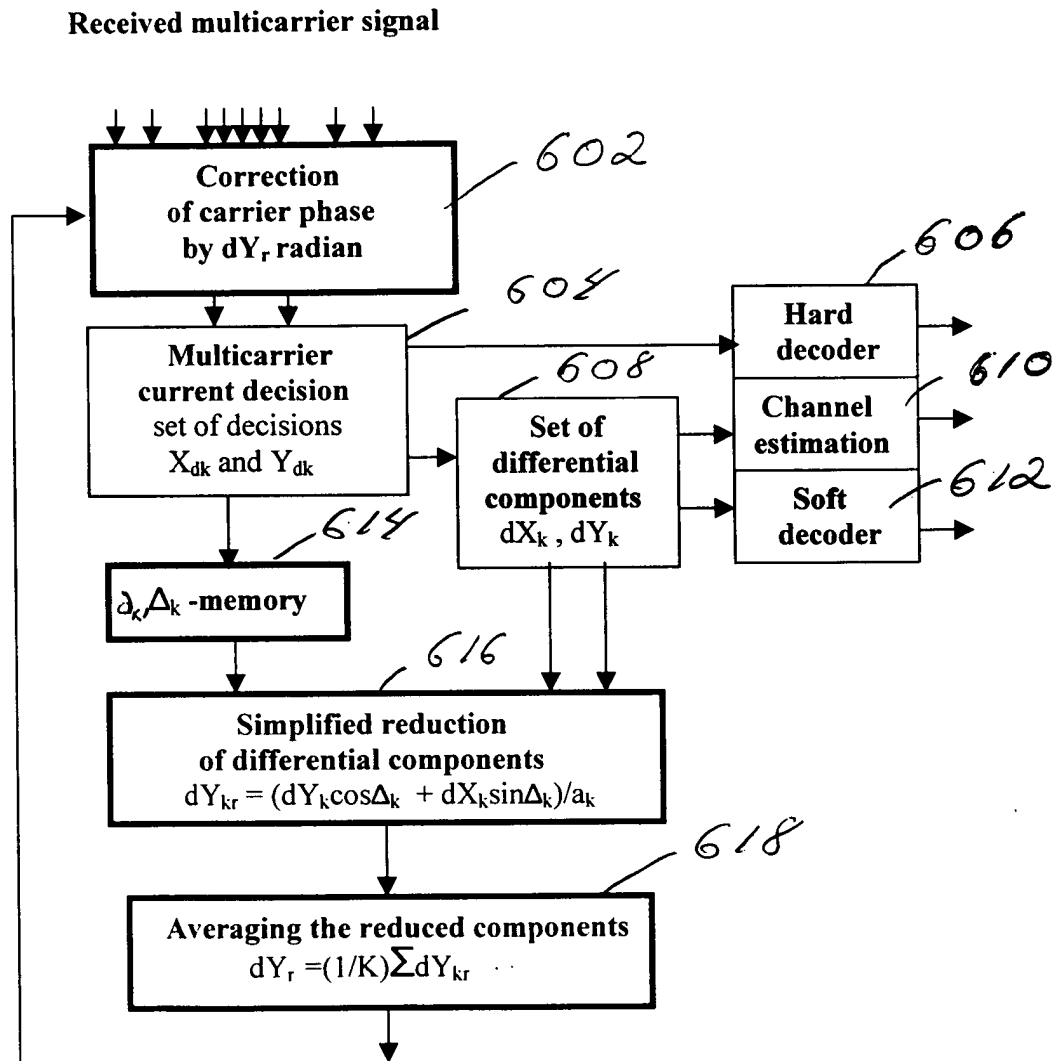
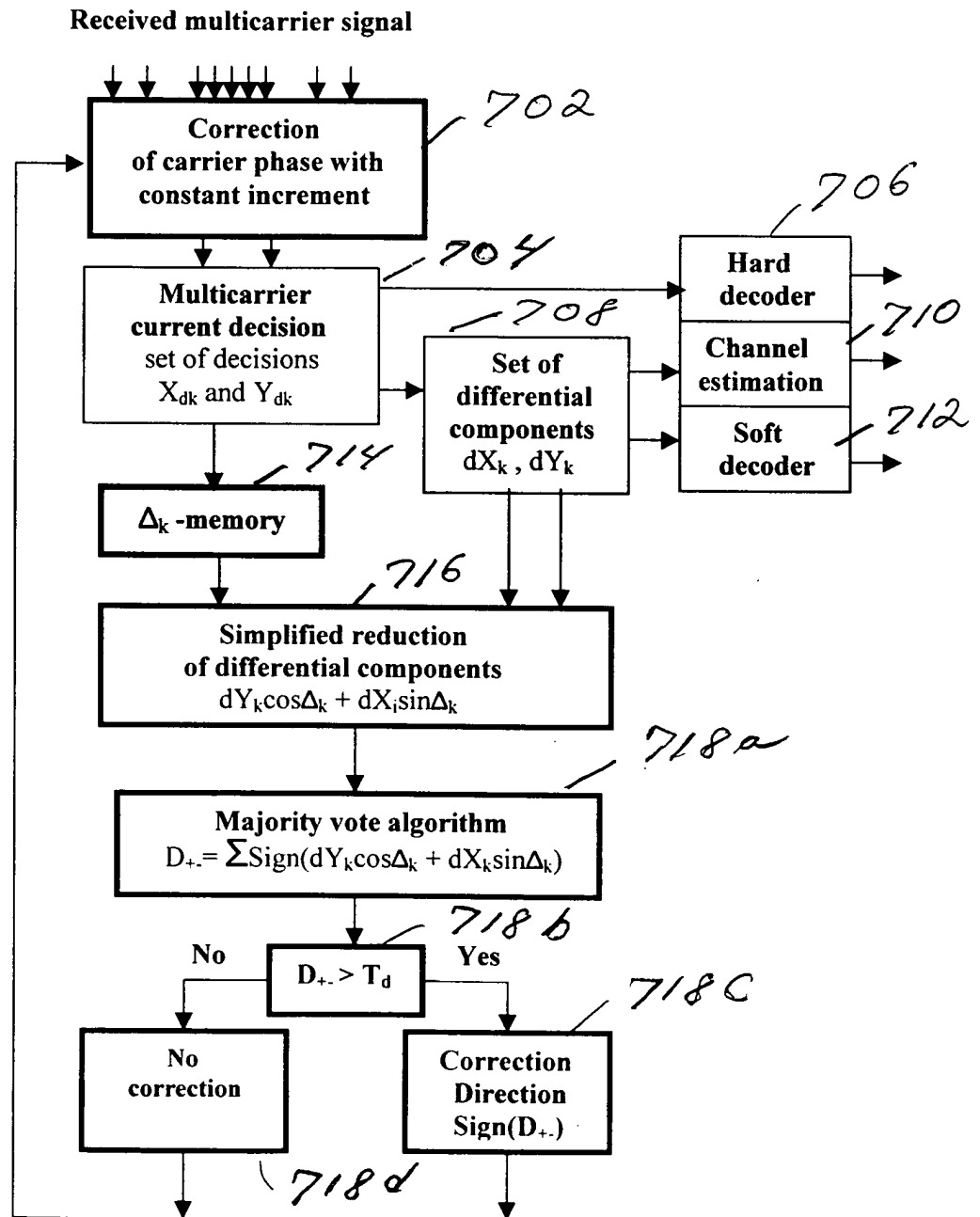


Fig. 11 Majority algorithm of carrier phase correction in multicarrier systems, based on the quadrature differential components.



**Fig. 12 Per-carrier adaptive equalizer, based on estimates of differential quadrature components.**

